

COST EFFECTIVE FILTRATION

FTC's pleated cartridges are designed to efficiently remove a large range of solids from process streams. Each cartridge has a pleated, fixed pore media which maximizes effective surface area while preventing particle unloading and fiber migration. Absolute media micron ratings between 0.5 to 100 micron.

Based on similar flow rates, FTC Conventional Series filters have up to 4 times the dirt holding capacity of typical string wound cartridges and up to twice the dirt holding capacity of typical spun bonded filters.

BENEFITS

- *Provides significantly greater dirt holding than string wound and spun bonded elements.*
- *Simple installation with various end cap and seal material options to ensure positive capture of contaminants.*
- *Absolute Rated media for reliable results in any critical application.*
- *Fixed pore media prevents particle unloading and allows for absolute rating.*
- *Superior methods of construction combined with excellent quality control techniques, ensure that FTC filter cartridges will provide quality filtration in difficult operating conditions.*

COMMON APPLICATIONS

- *Amines, Glycols, Acids, Bases, Pre-RO, Completion Fluids, Brines, Waterflood, Produced Water, Disposal Water*



DIMENSIONS

Outside Diameter:	2.50"
Inside Diameter:	1.1"
Length:	20", 29.25", 29.5", 29.75", 30", 36", 40"

MATERIALS OF CONSTRUCTION

<u>Filter Media:</u>	Cellulose, Polypropylene, Micro-Fiberglass, Polyester, and Nylon
<u>Center Core:</u>	Polypropylene, Tinned Steel, Stainless Steel
<u>Netting:</u>	Polypropylene, Polyester
<u>End Caps:</u>	Polypropylene, Tinned Steel, Stainless Steel

PRODUCT SPECIFICATIONS

Micron Ratings @ 99.98% (beta 5000):
0.5, 2, 5, 10, 20, 40, 70 and 100 Micron

Surface Area:

Up to 5.1 ft² Per 10" of filter length

Maximum Operating Conditions:

185°F (85°C) Continuous Operating Temp

Recommended Flow Rate for Optimal Dirt Loading:

2.0 GPM Per 10" of filter length

Maximum Recommended Differential Pressure:

35 PSID

Data based on Filtration Technology Corporation Research and Development Center's standard test procedure, a modified version of ISO 19438. The procedure uses ISO Standard test dust and deionized water as the challenge slurry. The reported data is on the polypropylene elements.

MEDIA MICRON RATING AT EFFICIENCY

FILTER MODEL	0.5	2	5	10	20	40	70	100
99.00% (beta 100)	0.3	1	2	5	10	25	40	70
99.98% (beta 5000)	0.5	2	5	10	20	40	70	100

DIRT HOLDING CAPACITY (LBS)*

Per 10" length

FILTER MODEL	0.5	2	5	10	20	40	70	100
Pounds of Solids	0.50	0.61	0.65	0.65	0.65	0.67	0.70	0.74

CLEAN PRESSURE DROP (PSID)*

Per 10" length

FILTER MODEL	0.5	2	5	10	20	40	70	100
PSID @ 2 GPM	1.30	0.42	0.24	0.23	0.21	0.19	0.19	0.14
PSID @ 4 GPM	4.57	0.52	0.49	0.47	0.46	0.46	0.41	0.35
PSID @ 6 GPM	7.64	1.79	1.07	1.04	1.01	0.77	0.60	0.52
PSID @ 8 GPM	10.4	2.80	1.69	1.67	1.65	1.40	1.29	1.15

CARTRIDGE CODING

AB	—	0.5	—	P	4	2
ABSOLUTE SERIES		MICRON RATING 99.98%		MEDIA	LENGTH	END CAP
		0.5 - 0.5 Micron		P - Polypropylene	2 - 29.75"	1 - DOE
		02 - 2 Micron		C - Cellulose	3 - 36"	2 - 222 O-Ring
		05 - 5 Micron		G - Glass	4 - 40"	3 - SOE w/ Spring
		10 - 10 Micron		R - Polyester	5 - 30"	7 - 222 w/ Fin
		20 - 20 Micron		N - Nylon	6 - 29.25"	
		40 - 40 Micron			7 - 29.50"	
		70 - 70 Micron			9 - 20"	
		100 - 100 Micron				

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